



# DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. M. DANIEL, Ph.D.

SECRETARY

Certified Mail No.

Agency Interest No. 1376  
Activity No.: PER19960009

Mr. J. A. Stroink  
Refinery Manager  
Chalmette Refining, L.L.C.  
Post Office Box 1007  
Chalmette, Louisiana 70044

RE: Part 70 Initial Operating Permit, Hydrocracker Unit-Pretreater No. 3-Reformer No. 3-Light Ends Plant, Chalmette Refinery, Chalmette Refining, L.L.C., Chalmette, St. Bernard Parish, Louisiana

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Dear Mr. Stroink:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2006.

Permit No.: 3015-V0

Sincerely,

A large rectangular black redaction box covering the signature of Chuck Carr Brown.

Chuck Carr Brown, Ph.D.

Assistant Secretary

SGQ

cc: EPA Region VI

**ENVIRONMENTAL SERVICES**

: PO BOX 4313, BATON ROUGE, LA 70821-4313

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**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**HYDROCRACKER UNIT-PRETREATER No. 3-REFORMER No. 3-LIGHT ENDS  
PLANT  
AGENCY INTEREST NO. 1376  
CHALMETTE REFINING, L.L.C., CHALMETTE REFINERY  
CHALMETTE, ST. BERNARD PARISH, LOUISIANA**

**I. Background**

Chalmette Refining, L.L.C. (CRLLC) is a joint venture between ExxonMobil Corporation (EMOC) and Petroleos de Venezuela (PDV), the Venezuelan National Oil Company. Chalmette Refinery is located on the left descending bank of Mississippi River at Mile 89 above Head-of-Passes at Chalmette and is operated by EMOC. The facility ~~operates under a consolidated State Permit No. 2500-00005-02 dated November 18, 1988. Other Permit Nos. 2226(M-3), 11/27/1996; and PSD-LA-199(M-4), 10/11/1993 were also issued in the past. Other permits were also issued since 1988. This permit deals with the Hydrocracker Unit (Unit 23), Pretreater No. 3 and Reformer No. 3 (Unit 25), and Light Ends Plant (Unit 24).~~

**II. Origin**

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) submitted on October 14, 1996 and updated in September 2005 for the Hydrocracker Unit, Pretreater No. 3, Reformer No. 3, and Light Ends Plant equipment only. Additional information as of January 24, 2006 was also received.

**III. Description**

Chalmette Refinery is an integrated crude operation (high conversion) which includes crude distillation, catalytic reforming, fluid catalytic cracking (FCC), hydrocracking, HF alkylation, delayed coking, and aromatics processing units. The refinery is capable of producing gasoline, diesel, and benzene/toluene/xylene (BTX), distillates, molten sulfur as well as by-products such as petroleum coke.

**Hydrocracker Unit (HCU)** - This unit consists of 1<sup>st</sup> Stage Reactors, a 2<sup>nd</sup> Stage Reactor, Distillation and Makeup Compressors Sections. The 1<sup>st</sup> Stage Reactors remove impurities from the feedstock entering the unit. The 2<sup>nd</sup> Stage Reactors hydrocracks the clean feed. Distillation section separates the products of the 1<sup>st</sup> and 2<sup>nd</sup> Stage Reactors. Finally, the Makeup Compressors provide makeup hydrogen to replace hydrogen consumed by the reaction.

**Distillation Section** – The Distillation section of the Hydrocracker separates 2<sup>nd</sup> Stage hydrocarbon liquids into salable products.

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**Makeup Compressors –** Makeup Compressors provide the necessary hydrogen to operate the HCU. Hydrogen is consumed by the hydrotreating and hydrocracking reactions. Hydrogen is imported from Air Products and Gulf Liquids and internally from Reformers No. 1 and 3. The Makeup Compressors are used to pressurize the hydrogen to feed the HCU.

**Pretreater No. 3 -** This unit consists of a Reactor Section and a Stripper Section. The Reactor section converts impurities in the feed such as nitrogen and sulfur into compounds that can be removed from the feed. The Stripper section strips hydrogen sulfide gas and ammonia from the stripper feed.

**Reformer No. 3 –** This unit consists of a Reactor Section and a Distillation Section. The primary purpose of the Reactor Section is to take pretreated feed and reform naphthenic and paraffinic chains and rings to aromatics.

**Distillation Section –** this section separates C3-C5 material from the aromatic rich material in the Debutinizer feed.

**Light Ends Plant –** This unit consists of a Vapor Section and a Liquid Section. The purpose of the Vapor Section is to remove light hydrocarbons from the incoming feed streams. The Vapor Section recovers propane and heavier hydrocarbons through an absorption and stripping process. The resulting liquid hydrocarbon product (propane and heavier hydrocarbons) is routed to the Liquid Section for further processing.

**Liquid Section –** the purpose of the Liquid section is to separate LPG liquids into propane, butane, and iso-butane products.

Permitted emissions from the Hydrocracker Unit, Pretreater No. 3, Reformer No. 3, and Light Ends Plant based on the current operating conditions which reflect the updated emission factors in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>
PM <sub>10</sub>	24.12
SO <sub>2</sub>	61.40
NO <sub>x</sub>	506.08
CO	122.62
VOC	309.00

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**IV. Type of Review**

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, NSPS, and NESHAP. Prevention of Significant Deterioration does not apply. The facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:II Chapter 51. The Air Toxic Compliance plan was approved on March 13, 1996, the LDAR provisions were approved on October 11, 1996 and the SOCMI HON wastewater provisions were approved on May 21, 1996. The facility has submitted a Part 1 application as required by the Clean Air Act Amendments 112(j).

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The St. Bernard Voice, Arabi, Louisiana, on \*\*\*\* \*\*, 2006. Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on \*\*\*\* \*\*, 2006. The proposed permit was sent to EPA via e-mail on \*\*\*\* \*\*, 2006.

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**VII. Effects on Ambient Air**

Dispersion Model Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ( $\mu\text{g}/\text{m}^3$ )	Louisiana Air Quality Standard (NAAQS) ( $\mu\text{g}/\text{m}^3$ )
None			

**VIII. General Condition XVII Activities**

Equipment Maintenance/Preparation and Other Routine Activities	26,200 events/yr
PM <sub>10</sub>	3.74 tons/yr
VOC	2.04 tons/yr
Planned Startup/Shutdown and Turnaround Activities	775 events/yr
PM <sub>10</sub>	0.10 tons/yr
VOC	1.96 tons/yr

**IX. Insignificant Activities**

ID No.:	Description	Citation
-	Unit Tanks (Less than 3,000 gals, 10 tanks)	LAC 33:III.501.B.5.A.3
-	Process Stream Analyzer Emissions	LAC 33:III.501.B.5.A.9
-	Catalyst Changing Operations	LAC 33:III.501.B.5.A.11

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**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33.III.Chapter																
		5	9	11	13	15	2103	2111	2113	2121	2115	2141	17	2301	29*	51*	52	56
GRP037	HCU-PT3-RF3-LEP Units	1	1	1	1	1					1			1	1	1	1	1
EQT241	19A, No. 3 Reformer Rx 1 Preheater (East) (F-2501)						1	1	1								2	
EQT242	19B, No. 3 Reformer Rx 2 Preheater (West) (F-2502)						1	1	1								2	
EQT243	20, No. 3 Hot Oil Heater (F-2506)						1	1	1								2	
EQT244	21, No. 3 Preheater Heater (F-2504)						1	1	1								2	
EQT245	22, No. 3 Pretreater Reboiler (F-2505)						1	1	1								2	
EQT246	23C, Hydrocracker 1 <sup>st</sup> /2 <sup>nd</sup> Stage Rx Preheater (West) (F-2301/2302)						1	1	1								2	
EQT247	23D, Hydrocracker 1 <sup>st</sup> /2 <sup>nd</sup> Stage Rx Preheater (East) (F-2307/2308)						1	1	1								2	
EQT248	24, Hydrocracker Splitter Reboiler (F-2304)						1	1	1								2	
EQT249	25A/B, Hydrocracker Stabilizer Reboiler (F-2303)						1	1	1								2	
EQT250	38, No. 3 Reformer Rx 3 Preheater (F-2503)						1	1	1								2	
EQT251	74, No. 3 Reformer Regenerator Vent												2	2	2	1	1	
EQT252	CE-HCU, HCU-PT3-RF3-LEP Catalyst Change																1	

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**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III:Chapter																
		5	9	11	13	15	2103	2111	2113	2121	2115	2141	17	2301	29*	51*	52	56
EQT253	MPV, HCU Miscellaneous Process Vents				1	1					1		2		1			
FUG011	FE-HCU, HCU-PT3-RF3-LEP Fugitives						1		1						1			

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.
- Blank - The regulations clearly do not apply to this type of emission source.
- \* The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS										40 CFR 61										40 CFR				
		A	Db	Dc	J	Kb	XX	GCG	NNN	QQQ	A	J	M	V	FF	A	F	G	CC	UUU	5Ds	68	82			
GRP037	HCU-PT3-RF3-LEP Units	1									1	1	1	1	1	1	1	1				1	1			
EQT241	19A, No. 3 Reformer Rx (F-2501)										1											2				
EQT242	19B, No. 3 Reformer Rx (F-2502)										1											2				
EQT243	20, No. 3 Hot Oil Heater (F-2506)										1											2				
EQT244	21, No. 3 Preheater Heater (F-2504)										1											2				
EQT245	22, No. 3 Pretreater Reboiler										1											2				
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EQT247	23D, Hydrocracker 1 <sup>st</sup> /2 <sup>nd</sup> Stage Rx Preheater (East) (F-2307/2308)										1											2				
EQT248	24, Hydrocracker Splitter Reboiler (F-2304)										1											2				

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**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS										40 CFR 61						40 CFR 63 NESHAP					
		A	Db	Dc	J	Kb	XX	GGG	NNN	QQQ	A	J	M	V	FF	A	F	G	CC	CC	5Ds	68	82
EQT249	25A/B Hydrocracker Stabilizer Reboiler (F-2303)				1																		2
EQT250	38, No. 3 Reformer Rx 3 Preheater (F-2503)				1																		2
EQT251	74, No. 3 Reformer Regenerator Vent											2											
EQT252	CE-HCU, HCU-PT3-RF3-LEP Catalyst Change																						
EQT253	MPV, HCU Miscellaneous Process Vents																						
FUG011	FE-HCU, HCU-PT3-RF3-LEP Fugitives										1	1/2	1	1		2	1						

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source  
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
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- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.  
 Blank - The regulations clearly do not apply to this type of emission source.

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**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
GRP026 CFHT, Pretreater No. 1, Reformer No. 1, and GHU	Compliance Assurance Monitoring for Major Stationary Sources	Exempt	40 CFR 64.2(b)	CAM requirements do not apply to NSPS, NESHAP, and MACT standards proposed after November 15, 1990.
EQT241 thru EQT250 19A, 19B, 20, 21, 22, 23C, 23D, 24, 25A/B, 38 No. 3 Reformer and Hydrocracker Preheaters, Pretreaters, Heaters, and Reboilers	Emission Standard for Particulate Matter	Does not apply	LAC 33.III.1301.B	Heater indirectly heats process material
EQT251 74, Reformer Regeneration Vent	Comprehensive Toxic Air Pollutant Emission Control Program NESHAP, Subpart DDDDD – Boilers and Process Heaters	Exempt	LAC 33.III.5105.B.3.a 40 CFR 63.7506(b)	Burns refinery fuel gas – Group 1 Virgin Fossil Fuel The facility has submitted the initial notification on March 10, 2005 as requirement of 40 CFR 63.9(b)
EQT251 74, Reformer Regeneration Vent	Emission Standard for Sulfur Dioxide. Emission Limitations	Exempt	LAC 33.III.1503.C	Unit emits less than 250 tons per year of Sulfur Dioxide
	Control of Emissions of CO (New Sources), Petroleum Refinery Emissions	Does not apply	LAC 33.III.1705	This source was constructed before December 20, 1987
	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33.III.2115.H.1.c	VOC less than 100 lbs per 24-hour period
	NESHAP, Subpart F & G – NESHAP Air Pollutants From SOCM1	Does not apply	40 CFR 63.100(j)(2)	Vent associated with a petroleum refinery process unit
	40 CFR 63, Subpart CC – NESHAP from Petroleum Refineries	Does not apply	40 CFR 63.641	Does not meet the definition of a process vent

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ID No:	Requirement	Status	Citation	Explanation
EQT253 MPV, Miscellaneous Process Vents	Control of Emissions of CO (New Sources), Petroleum Refinery Emissions	Does not apply	LAC 33:III.1705	The vents do not contain CO and are not from any affected source
	NESHAP, Subpart UUU – For Petroleum Refineries: CCU, CRU, SRU	Does not apply	40 CFR 63.1562	Vent not associated with regeneration of the catalyst.
FUG005 FE-CFHT, CFHT-PT1- RF1-GHU Fugitives	NSPS, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems	Applicability Determination	40 CFR 60.690	Currently under review. Permittee shall update or modify the permit based on the determination made under the settlement.
	NESHAP, Subpart F & G – NESHAP Air Pollutants From SOCM	Does not apply	40 CFR 63.100(j)(2)	Vent associated with a petroleum refinery process unit

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than 180 days prior to the permit expiration date. Should a timely and complete permit application not be submitted prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:

## 40 CFR PART 70 GENERAL CONDITIONS

1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
  4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- 
1. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.  
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

## **40 CFR PART 70 GENERAL CONDITIONS**

- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, ~~as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit.~~ [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

## 40 CFR PART 70 GENERAL CONDITIONS

2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
5. changes in emissions would not qualify as a significant modification; and
6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

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R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
  - a. Report by June 30 to cover January through March
  - b. Report by September 30 to cover April through June
  - c. Report by December 31 to cover July through September
  - d. Report by March 31 to cover October through December

## 40 CFR PART 70 GENERAL CONDITIONS

4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

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1. ~~Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;~~
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
  - U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The attached Facility Specific Requirements or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Facility Specific Requirements or, where included, Tables 2 and 3 of the permit. The permit is based on the permit application and Emission Inventory Questionnaire (EIQ) submitted in October 14, 1996, updated application and EIQ submitted in September 2005, as well as additional information received as of January 24 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Permits Division.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Environmental Technology Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Environmental Technology Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Environmental Technology Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
  2. Report by September 30 to cover April through June
  3. Report by December 31 to cover July through September
  4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. ~~The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.~~
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.
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**General Information**

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960010  
 Permit Number: 3004-V0  
 Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	2500-00005	Chalmette Refining LLC - Chalmette Refinery	CDS Number	05-27-1993
	2500-0005	Chalmette Refining LLC - Chalmette Refinery	Emission Inventory	03-03-2004
13-5401570	Mobil Oil Corp		Federal Tax ID	08-07-2002
LAD008179707	Chalmette Refining LLC		Hazardous Waste Notification	10-22-2002
PMTICA	GPRABaselines		Hazardous Waste Permitting	10-01-1997
00597.	Chalmette Refining		Inactive & Abandoned Sites	11-23-1999
LA0004260	WPC File Number		LPDES Permit #	05-22-2003
WP0569	WPC State Permit Number		WDPS Permit #	06-25-2003
WP3391	WPC State Permit Number		WDPS Permit #	06-25-2003
LA-2247-L-01	Radioactive Material License		Radiation License Number	01-19-1999
6264	X-Ray Registration Number		Radiation X-ray Registration Number	11-21-1999
GD-087-1774	Mobil Oil Corp		Solid Waste	01-08-2002
GD-087-1774	Site ID #		Solid Waste Facility No.	11-21-1999
19637	Exxon Co USA - Chalmette Terminal		TEMPO Merge	04-24-2001
36173	Mobil Oil Corp		TEMPO Merge	04-26-2001
38796	ExxonMobil Oil Corp - Chalmette Refining LLC		TEMPO Merge	12-16-2003
44916	Mobil Oil Corp - Chalmette Refinery		TEMPO Merge	05-22-2001
45047	Chalmette Refining LLC - A Delaware Ltd Liability Co		TEMPO Merge	03-28-2001
47202	Mobil Oil Corp - Chalmette Refinery		TEMPO Merge	10-02-2001
2500-0005	Toxic Emissions Data Inventory #		Toxic Emissions Data Inventory #	01-01-1991
70143 TNCL500WE	TRI#		Toxic Release Inventory	07-09-2004
01-269	Motor Fuel Delivery Certificate #		Underground Storage Tanks	08-07-2002
44-015380	UST Facility ID (from UST legacy data)		Underground Storage Tanks	10-12-2002
Physical Location:			Main FAX:	5042811365
Mailing Address:	PO Box 1007 Chalmette, LA 700441007		Main Phone:	5042811212
Related People:			Relationship	
	Name	Phone (Type)		
	Robert Cooper	5042320276 (WP)	Katrina Response Contact for	
	Claudine Gorman	5042811989 (WP)	Radiation Safety Officer for	
	Claudine Gorman	5042811989 (WP)	Air Permit Contact For	
	Claudine Gorman	5042811989 (WP)	Radiation Contact For	

### General Information

AI ID: 1376 Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960010

Permit Number: 3004-V0

Air - Title V Regular Permit Initial

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Accident Prevention Contact for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Solid Waste Billing Party for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Haz. Waste Billing Party for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Water Billing Party for
	Claudine Gorman	PO Box 1007 Chalmette, LA 700441007	5042811989 (WP)	Accident Prevention Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007		Air Billing Party for
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007		Radiation License Billing Party for
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007		Owns
	Chalmette Refining LLC	PO Box 1007 Chalmette, LA 700441007		Radiation Registration Billing Party for
	ExxonMobil Oil Corp	500 W St Bernard Hwy Chalmette, LA 700443		Accident Prevention Billing Party for
	ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 700441007		UST Billing Party for
	ExxonMobil Oil Corp	PO Box 1007 Chalmette, LA 700441007		Operates

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

## INVENTORIES

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960003  
 Permit Number: 3015-V0  
 Air - Title V Regular Permit Initial

### Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT241	19A, No. 3 Reformer Rx 1 Preheater (East) (F-2501)	173 MM BTU/hr	164 MM BTU/hr	8760 hr/yr (All Ye.		
EQT242	19B, No. 3 Reformer Rx 2 Preheater (West) (F-2502)	173 MM BTU/hr	152 MM BTU/hr	8760 hr/yr (All Ye.		
EQT243	20, No. 3 Hot Oil Heater (F-2506)	190 MM BTU/hr	125 MM BTU/hr	8760 hr/yr (All Ye.		
EQT244	21, No. 3 Preheater Heater (F-2504)	31 MM BTU/hr	24 MM BTU/hr	8760 hr/yr (All Ye.		
EQT245	22, No. 3 Preheater Reboiler (F-2505)	41 MM BTU/hr	26 MM BTU/hr	8760 hr/yr (All Ye.		
EQT246	23C, Hydrocracker 1st/2nd Stage Rx Preheater (West) (F-2301/2)	46 MM BTU/hr	24 MM BTU/hr	8760 hr/yr (All Ye.		
EQT247	23D, Hydrocracker 1st/2nd Stage Rx Preheater (East) (F-2307/8)	46 MM BTU/hr	24 MM BTU/hr	8760 hr/yr (All Ye.		
EQT248	24, Hydrocracker Splitter Reboiler (F-2304)	51 MM BTU/hr	25 MM BTU/hr	8760 hr/yr (All Ye.		
EQT249	25A/B, Hydrocracker Stabilizer Reboiler (F-2303)	92 MM BTU/hr	70 MM BTU/hr	8760 hr/yr (All Ye.		
EQT250	38, No. 3 Reformer Rx 3 Preheater (F-2503)	84 MM BTU/hr	66 MM BTU/hr	8760 hr/yr (All Ye.		
EQT251	74, No. 3 Reformer Regenerator Vent	.06 MM ft <sup>3</sup> /yr		72 hr/yr (All Year		
EQT252	CE-HCU, HCU-PT3-RF3-LEP Catalyst Change	2.15 MM lbs/yr		145 hr/yr (All Year		
EQT253	MPV, HCU Miscellaneous Process Vents			(None Specified		
FUG11	FE-HCU, HCU-PT3-RF3-LEP Fugitives			8760 hr/yr (All Ye.		

### Subject Item Groups:

ID	Description	Included Components (from Above)
GRP037	HCU-PT3-RF3-LEP	EQT241 19A, No. 3 Reformer Rx 1 Preheater (East) (F-2501)
GRP037	HCU-PT3-RF3-LEP	EQT242 19B, No. 3 Reformer Rx 2 Preheater (West) (F-2502)
GRP037	HCU-PT3-RF3-LEP	EQT243 20, No. 3 Hot Oil Heater (F-2506)
GRP037	HCU-PT3-RF3-LEP	EQT244 21, No. 3 Preheater Heater (F-2504)
GRP037	HCU-PT3-RF3-LEP	EQT245 22, No. 3 Preheater Reboiler (F-2505)
GRP037	HCU-PT3-RF3-LEP	EQT246 23C, Hydrocracker 1st/2nd Stage Rx Preheater (West) (F-2301/2)
GRP037	HCU-PT3-RF3-LEP	EQT247 23D, Hydrocracker 1st/2nd Stage Rx Preheater (East) (F-2307/8)
GRP037	HCU-PT3-RF3-LEP	EQT248 24, Hydrocracker Splitter Reboiler (F-2304)
GRP037	HCU-PT3-RF3-LEP	EQT249 25A/B, Hydrocracker Stabilizer Reboiler (F-2303)
GRP037	HCU-PT3-RF3-LEP	EQT250 38, No. 3 Reformer Rx 3 Preheater (F-2503)
GRP037	HCU-PT3-RF3-LEP	EQT251 74, No. 3 Reformer Regenerator Vent
GRP037	C-E-HCU, HCU-PT3-RF3-LEP Catalyst Change	EQT252 CE-HCU, HCU-PT3-RF3-LEP Catalyst Change
FG11	FE-HCU, HCU-PT3-RF3-LEP Fugitives	FG11 FE-HCU, HCU-PT3-RF3-LEP Fugitives

### Relationships:

ID	Stack Information:	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperat (oF)
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## INVENTORIES

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
 Activity Number: PER19960099  
 Permit Number: 3015-V0  
 Air - Title V Regular Permit Initial

### Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Tempera (°F)
EOT241	19A, No. 3 Reformer Rx 1 Preheater (East) (F-2501)	15.7	8,000	11	150	645
EOT242	19B, No. 3 Reformer Rx 2 Preheater (West) (F-2502)	15.7	2,700	11	150	632
EOT243	20, No. 3 Hot Oil Heater (F-2506)	17.7	7,800	10	160	559
EOT244	21, No. 3 Preheater Heater (F-2504)	18	13,000	4	43	690
EOT245	22, No. 3 Preheater Reboiler (F-2505)	21	17,400	4	43	678
EOT246	23C, Hydrocracker 1st/2nd Stage Rx Preheater (West) (F-2301/2)	18	14,100	4	136	900
EOT247	23D, Hydrocracker 1st/2nd Stage Rx Preheater (East) (F-2307/8)	16.4	12,800	4	136	900
EOT248	24, Hydrocracker Splitter Reboiler (F-2304)	28.2	29,700	5	61	900
EOT249	25A/B, Hydrocracker Stabilizer Reboiler (F-2303)	22.6	26,200	5	55	900
EOT250	38, No. 3 Reformer Rx 3 Preheater (F-2503)	20	37,800	6	75	578
EOT251	74, No. 3 Reformer Regenerator Vent					

### Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
A11376	1	1,000 BBL/Day	0720 - Petroleum Refining (Rated Capacity)

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1376 . Chalmette Refining LLC . Chalmette Refinery

Activity Number: PER199600006

Benzaiten Nishimatsu 2015 VO

PERMILLIONAGE: 3013-60

Air - Title V Regular Permit Initial

All phases

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Phase Totals:

PM10: 24.12 tons/yr  
SO<sub>2</sub>: 61.40 tons/yr  
NO<sub>x</sub>: 506.08 tons/yr  
CO: 122.62 tons/yr  
VOC: 309.00 tons/yr

## EMISSION RATES FOR CRITERIA POLLUTANTS

AID:1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### **All phases**

Emission rates Notes:

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### All phases

#### 1,3-Butadiene

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 251 74									
EOT 252 CE-HCU									
FUG 011 FE-HCU	0.003	0.01	0.27	1.17	0.26	1.16	0.78	3.42	0.09

#### Ammonia

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EOT 252 CE-HCU									
FUG 011 FE-HCU	0.003	0.01	0.27	1.17	0.26	1.16	0.78	3.42	0.09

#### Biphenyl

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EOT 252 CE-HCU									
FUG 011 FE-HCU	0.003	0.01	0.27	1.17	0.26	1.16	0.78	3.42	0.09

#### Benzene

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EOT 252 CE-HCU									
FUG 011 FE-HCU	0.003	0.01	0.27	1.17	0.26	1.16	0.78	3.42	0.09

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chaimette Refining LLC - Chaimette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### All phases

	Carbon disulfide	Chlorine	Chlorobenzene	Cresol	Cumene							
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EOT 251 74	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001
EOT 252												
CE-HCU												
FUG 011	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001
FE-HCU												

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initia

### All phases

	Dichloromethane	Ethyl benzene	Hydrochloric acid	Hydrogen sulfide	Methanol
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr
EOT 251 74	< 0.001	0.002	< 0.001	< 0.001	0.002
EOT 252					
CE-HCU					
FUG 011	< 0.001	0.43	1.89	1.70	7.44
FE-HCU					
					0.87

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER1996009  
Permit Number: 3015-V0  
Air - Title V Regular Permit Initial

### All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Methyl Tertiary Butyl Ether	Methyl ethyl ketone	Methyl isobutyl ketone	Naphthalene (and Methyl napht alenes)	Nickel (and compounds)					
				Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EOT 251 74													
EOT 252 CE-HCU													
FUG 011 FE-HCU	0.003	0.01	0.02		0.08	< 0.001	0.001	0.22	0.97	< 0.001	3.72	1.43	0.10

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### All phases

#### Phenol

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year												
EQT 251 74															
EQT 252 CE+HCU															
FUG 011 FE+HCU	0.03	0.14	< 0.001	0.01	< 0.001	0.03	< 0.001	0.01	< 0.001	0.03	< 0.001	0.001	< 0.001	0.03	< 0.001

#### Quinoline

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year												
EQT 251 74															
EQT 252 CE+HCU															
FUG 011 FE+HCU	0.03	0.14	< 0.001	0.01	< 0.001	0.03	< 0.001	0.01	< 0.001	0.03	< 0.001	0.001	< 0.001	0.03	< 0.001

#### Styrene

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year												
EQT 251 74															
EQT 252 CE+HCU															
FUG 011 FE+HCU	0.03	0.14	< 0.001	0.01	< 0.001	0.03	< 0.001	0.01	< 0.001	0.03	< 0.001	0.001	< 0.001	0.03	< 0.001

#### Sulfuric acid

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year												
EQT 251 74															
EQT 252 CE+HCU															
FUG 011 FE+HCU	0.03	0.14	< 0.001	0.01	< 0.001	0.03	< 0.001	0.01	< 0.001	0.03	< 0.001	0.001	< 0.001	0.03	< 0.001

#### Tetrachloroethylene

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year												
EQT 251 74															
EQT 252 CE+HCU															
FUG 011 FE+HCU	0.03	0.14	< 0.001	0.01	< 0.001	0.03	< 0.001	0.01	< 0.001	0.03	< 0.001	0.001	< 0.001	0.03	< 0.001

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER1996000

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### All phases

	Toluene	Trichloroethylene	Xylene (mixed isomers)	n-Hexane
Subject Item	Avg lb/hr	Max lb/hr	Max lb/hr	Max lb/hr
	Tons/Year	Tons/Year	Tons/Year	Tons/Year
EQT 251 <i>74</i>	0.001	0.004	< 0.001	< 0.001
EQT 252 CE-HCU				
FUG 011 FE-HCU	2.05	8.98	< 0.001	1.80
				7.89
				0.94
				4.10

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Parameter Totals:

1,3-Butadiene: 0.01 tons/yr

2,2,4-Trimethylpentane: 1.17 tons/yr

Ammonia: 1.16 tons/yr

Benzene: 3.42 tons/yr

Biphenyl: 0.09 tons/yr

Carbon disulfide: 0.001 tons/yr

Chlorine: <0.001 tons/yr

Chlorobenzene: <0.001 tons/yr

Cresol: 0.10 tons/yr

Cumene: 0.16 tons/yr

Dichloromethane: 0.001 tons/yr

Ethyl benzene: 1.89 tons/yr

Hydrochloric acid: <0.001 tons/yr

Hydrogen sulfide: 7.44 tons/yr

Methanol: 0.87 tons/yr

Methyl ethyl ketone: 0.08 tons/yr

Methyl isobutyl ketone: 0.001 tons/yr

Methyl Tertiary Butyl Ether: 0.01 tons/yr

n-Hexane: 4.10 tons/yr

Naphthalene (and Methyl naphthalenes): 0.97 tons/yr

Nickel (and compounds): 0.10 tons/yr

Phenol: 0.14 tons/yr

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AJ ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960003

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### All phases

Quinoline: <0.001 tons/yr  
Styrene: 0.03 tons/yr  
Sulfuric acid: <0.001 tons/yr  
Tetrachloroethylene: 0.001 tons/yr  
Toluene: 8.98 tons/yr  
Trichloroethylene: <0.001 tons/yr  
Xylene (mixed isomers): 7.89 tons/yr

### Emission Rates Notes:

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960009  
Permit Number: 3015-V0  
Air - Title V Regular Permit Initial

### EQT241 19A, No. 3 Reformer Rx 1 Preheater (East) (F-2501)

1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]

Which Months: All Year Statistical Basis: None specified

2 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

3 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. [LAC 33:III.1503.C]

Which Months: All Year Statistical Basis: Three-hour rolling average

4 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.1501.C.6]

5 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]

6 Conduct performance/emissions test: Due within 180 days after the issuance of initial Part 70 permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

7 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average

Which Months: All Year Statistical Basis: Three-hour rolling average

8 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.104(a)(4)]

Which Months: All Year Statistical Basis: None specified

9 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

10 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

11 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107

[40 CFR 60.107]

### EQT242 19B, No. 3 Reformer Rx 2 Preheater (West) (F-2502)

12 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]

Which Months: All Year Statistical Basis: None specified

13 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

14 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. [LAC 33:III.1503.C]

Which Months: All Year Statistical Basis: Three-hour rolling average

15 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### EQT242 19B, No. 3 Reformer Rx 2 Preheater (West) (F-2502)

- 16 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 17 Conduct a performance/emissions test: Due within 180 days after the issuance of initial Part 70 permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]
- 18 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- 19 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 20 Which Months: All Year Statistical Basis: None specified Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as provided in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 21 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (K). Subpart J. [40 CFR 60.106]
- 22 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107

[40 CFR 60.107]

### EQT243 20, No. 3 Hot Oil Heater (F-2506)

- 23 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1(01.B)]
- 24 Which Months: All Year Statistical Basis: None specified Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- 25 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. [LAC 33:III.1503.C.]
- 26 Which Months: All Year Statistical Basis: Three-hour rolling average Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 27 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 28 Conduct a performance/emissions test: Due within 180 days after the issuance of initial Part 70 permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.501.C.6]

## SPECIFIC REQUIREMENTS

AI ID: 13376 - Chairmette Refining LLC - Chairmette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### EQT243 20, No. 3 Hot Oil Heater (F-2506)

- 29 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 30 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 31 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 32 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 33 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107  
[40 CFR 60.107]

### EQT244 21, No. 3 Preheater Heater (F-2504)

- 34 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lance charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified
- 35 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified
- 36 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60. Subpart J. [LAC 33:III.1503.C]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 37 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 38 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 39 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 40 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 41 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107  
[40 CFR 60.107]

### EQT245 22, No. 3 Pretreater Reboiler (F-2505)

- 42 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lance charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified
- 43 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960009  
Permit Number: 3015-V0  
Air - Title V Regular Permit Initial

### EQT245 22, No. 3 Pretreater Reb boiler (F-2505)

- 44 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60. Subpart J. [LAC 33:III.1503.C]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 45 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 46 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 47 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 48 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 49 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107  
[40 CFR 60.107]

### EQT246 23C, Hydrocracker 1st/2nd Stage Rx Preheater (West) (F-23011/2)

- 50 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified
- 51 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified
- 52 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60. Subpart J. [LAC 33:III.1503.C]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 53 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 54 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 55 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 56 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 57 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107  
[40 CFR 60.107]

### EQT247 23D, Hydrocracker 1st/2nd Stage Rx Preheater (East) (F-2307/8)

- 58 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### EQT247 23D, Hydrocracker 1st/2nd Stage Rx Preheater (East) (F-2307/8)

- 59 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified
- 60 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. [LAC 33:III.1503.C]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 61 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 62 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified

63 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

64 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

65 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107

[40 CFR 60.107]

### EQT248 24, Hydrocracker Splitter Reboiler (F-2304)

- 66 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lance charging of an incinerator, equipment changes, ash removal or trapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified

67 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified

68 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. [LAC 33:III.1503.C]  
Which Months: All Year Statistical Basis: Three-hour rolling average

69 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average

70 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified

71 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

72 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

73 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107

[40 CFR 60.107]

### EQT249 25A/B, Hydrocracker Stabilizer Reboiler (F-2303)

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### EQT249 25A/B, Hydrocracker Stabilizer Reboiler (F-2303)

74 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or trapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1(1)01.B]

Which Months: All Year Statistical Basis: None specified

75 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1(3)13.C]

Which Months: All Year Statistical Basis: None specified

76 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. [LAC 33:III.1(5)03.C]

Which Months: All Year Statistical Basis: Three-hour rolling average

77 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.5(1).C.6]

78 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.5(1).C.6]

79 Conduct a performance/emissions test: Due within 180 days after the issuance of initial Part 70 permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.9(13), provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33:III.5(1).C.6]

80 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. [LAC 33:III.5(1).C.6]

Which Months: All Year Statistical Basis: Three-hour rolling average

81 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

82 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

83 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

84 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107

[40 CFR 60.107]

### EQT250 38, No. 3 Reformer Rx 3 Preheater (F-2503)

85 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or trapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1(1)01.B]

Which Months: All Year Statistical Basis: None specified

86 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1(3)13.C]

Which Months: All Year Statistical Basis: None specified

87 Sulfur dioxide <= 2000 ppmv at standard conditions. Shall comply with all the applicable requirements of 40 CFR 60, Subpart J. [LAC 33:III.1(5)03.C]

Which Months: All Year Statistical Basis: Three-hour rolling average

88 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.5(1).C.6]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960009  
Permit Number: 3015-V0  
Air - Title V Regular Permit Initial

### EQT250      38, No. 3 Reformer Rx 3 Preheater (F-2503)

- 89 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33.11.501.C.6]
- 90 Conduct a performance/emissions test: Due within 180 days after the issuance of initial Part 70 permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33.11.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. [LAC 33.11.501.C.6]
- 91 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- 92 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- 93 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 94 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 95 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107

[40 CFR 60.107]

### EQT251      74, No. 3 Reformer Regenerator Vent

- 96 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart UUU is considered compliance with all the applicable requirements of LAC 33.11.11 Chapter 51. [LAC 33.11.5109.A]
- 97 Permittee shall route the emissions of total organic compounds (TOC) to a flare that meet the control device requirements of 40 CFR 63.1(h). Subpart UUU. [40 CFR 63.1566(a)(1)(i)]
- 98 Permittee shall install, operate and maintain a continuous monitoring system(s) according to the requirements of 40 CFR 63.1572 and Table 17, Item 1. Conduct each performance test for a catalytic reforming unit according to the requirements for 40 CFR 63.1571 and under the conditions specified in Table 18, Item 1 and establish site specific operating limit in Table 16, Item 1. Shall use the procedures in 40 CFR 63.1566(b)(4)(i) or (ii) to determine initial compliance with the emission limitations. Subpart UUU. [40 CFR 63.1566(b), 40 CFR 63.1571, 40 CFR 63.1572]
- 99 The permittee during coke burn off and catalyst rejuvenation must control HCl emissions by 92 percent by weight/or reduce emissions to a concentration of 30 ppmv dry basis, corrected to 3 percent oxygen as per 40 CFR 63.1567(a)(1). Table 22, Item 1. Subpart UUU. [40 CFR 63.1567(a)(1)]
- 100 Except as allowed in paragraphs 40 CFR 63.1574(a)(1) thru (3) the permittee shall submit all the notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(c), 63.8(t)(4), 63.8(F)(6), and 63.9(h) thru (h) based on the dates specified. Shall comply with all the applicable requirements of 40 CFR 63.1574 and 1575. Subpart UUU. [40 CFR 63.1574, 40 CFR 63.1575]

### EQT252      CE-HCU, HCU-PT3-RF3-LEP Catalyst Change

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960009  
Permit Number: 3015-V0  
Air - Title V Regular Permit Initial

### EQT252 CE-HCU, HCU-PT3-RF3-LEP Catalyst Change

101 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

102 Which Months: All Year Statistical Basis: Six-minute average  
102 Submit notification of excess emissions: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:1.3931, except as provided in LAC 33:III.5107.B.6.

103 Submit notification in the manner provided in LAC 33:1.3923. [LAC 33:III.5107.B.3]

103 Submit written report of excess emissions: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through LAC 33:III.5107.B.4

3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.Chapter 51.

104 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No further controls are required. [LAC 33:III.Chapter 51]

### EQT253 MPV, HCU Miscellaneous Process Vents

105 Miscellaneous process vents are routed to an existing Flare No. 2 which complies with all the applicable requirements of NESHPAP. 40 CFR 63.11(b). [LAC 33:III.1.311.C, LAC 33:III.1.503.C, LAC 33:III.1.509, LAC 33:III.5109.A, 40 CFR 63.643, 40 CFR 63.1.562]

### FUG011 FE-HCU, HCU-PT3-RF3-LEP Fugitives

106 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 15 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

107 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG is considered compliance with all the applicable requirements of LAC 33:III.21.21. [LAC 33:III.21.21]

108 The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions to following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program. [LAC 33:III.51.09.A]

109 Shall comply with all the applicable requirements of 40 CFR 60.482-1 thru 482-10 as per approval letter dated March 24, 2005 by LDEQ, Subpart GGG. [40 CFR 60.592(a)]

110 Shall comply with all the applicable requirements of NSPS, 40 CFR 60.485 except as provided in NSPS, 40 CFR 60.593, Subpart GGG. [40 CFR 60.592(d)]

111 Shall comply with all the applicable requirements of NSPS, 40 CFR 60.486 and 60.487, Subpart GGG. [40 CFR 60.592(c)]

112 Compliance with all the applicable requirements of NESHPAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.51.09.A, 40 CFR 63.640-655, 40 CFR 61.242, 40 CFR 61.110.

NESHAP, 40 CFR 61, Subpart J, and NESHAP, Subpart V, 40 CFR 61.242-1 thru 242-10. [LAC 33:III.51.09.A, 40 CFR 63.640-655, 40 CFR 61.242, 40 CFR 61.110]

113 Shall comply with all the applicable requirements of NESHPAP, 40 CFR 63.1.61 thru 63.1.69, 63.1.71, 63.1.72, 63.1.75, 63.1.76, 63.1.77, 63.1.79, and 63.1.80 except as specified in NESHPAP, 40 CFR 63.648(c)(1) thru (c)(10) and (e) thru (i). Subpart CC. [40 CFR 63.648(c)]

114 Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]

115 Shall comply with the recordkeeping and reporting requirements as per 40 CFR 63.654(d)(1) thru (d)(6). Subpart CC. [40 CFR 63.654(d)]

### GRP037 HCU-PT3-RF3-LEP

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960009  
Permit Number: 3015-V0  
Air - Title V Regular Permit Initial

### GRP037 HCU-PT3-RF3-LEP

- i116 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- i117 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
- i118 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- i119 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- i120 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- i121 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- i122 Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. [LAC 33:III.2141.A]
- i123 Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K. [LAC 33:III.2141.A]
- i124 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- i125 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 4 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- i126 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- i127 Carbon monoxide <= 122.62 tons/syr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- i128 Nitrogen oxides <= 506.08 tons/syr. [LAC 33:III.501.C.6]
- i129 Particulate matter (10 microns or less) <= 24.12 tons/syr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- i130 Sulfur dioxide <= 61.40 tons/syr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- i131 VOC, Total <= 309.00 tons/syr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- i132 1,3-Butadiene <= 0.01 tons/syr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- i133 2,2,4-Trimethylpentane <= 1.17 tons/syr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- i134 Ammonia <= 1.16 tons/syr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery

Activity Number: PER19960009

Permit Number: 3015-V0

Air - Title V Regular Permit Initial

### GRP037 HCU-PT3-RF3-LEP

- 135 Benzene <= 3.42 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 136 Biphenyl <= 0.09 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 137 Carbon disulfide <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 138 Chlorine < 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 139 Chlorobenzene < 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 140 Cresol <= 0.10 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 141 Cumene <= 0.16 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 142 Dichloromethane <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 143 Ethyl benzene <= 1.89 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 144 Hydrochloric acid < 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 145 Hydrogen sulfide <= 7.44 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 146 Methanol <= 0.87 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 147 Methyl ethyl ketone <= 0.08 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 148 Methyl isobutyl ketone <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 149 Methyl Tertiary Butyl Ether <= 0.01 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 150 Naphthalene (and Methyl naphthalenes) <= 0.97 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 151 n-Hexane <= 4.10 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 152 Nickel (and compounds) <= 0.10 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 153 Phenol <= 0.14 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 154 Quinoline < 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960009  
Permit Number: 3015-V0  
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**GRP037** HCU-PT3-RF3-LEP

- 155 Styrene <= 0.03 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
156 Sulfuric acid < 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
157 Tetrachloroethylene <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
158 Toluene <= 8.98 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
159 Trichloroethylene < 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
160 Xylene (mixed isomers) <= 7.89 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 161 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51 Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III Chapter 51. Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 162 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 163 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 164 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A. [LAC 33:III.5105.A.4]
- 165 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 166 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 167 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 168 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 169 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]

## SPECIFIC REQUIREMENTS

AI ID: 1376 - Chalmette Refining LLC - Chalmette Refinery  
Activity Number: PER19960009  
Permit Number: 3015-V0  
Air - Title V Regular Permit Initial

### GRP037 HCU-PT3-RF3-LEP

- 170 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4. a.i. through viii. [LAC 33:III.5107.B.4]
- 171 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 172 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 173 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B.]
- 174 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C.]
- 175 Obtain a Louisiana Air Permit in accordance with LAC 33:III.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 176 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D. If the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 177 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A.]
- 178 Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]
- 179 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 180 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 181 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through c. [LAC 33:III.5113.B.4]
- 182 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 183 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 184 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 185 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 186 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 187 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 188 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

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- 189 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 190 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 191 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 192 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 193 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 194 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 195 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 196 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 197 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5113.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5113.F.1.]
  - 198 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
  - 199 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
  - 200 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 201 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning, and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 202 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 203 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 204 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 205 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 206 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division [LAC 33:III.5911.A]

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- 207 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 208 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III.905]
- 209 Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. [LAC 33:III.913]
- 210 Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. [LAC 33:III.917.A]
- 211 No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. [LAC 33:III.917.B]
- 212 Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.9.D]
- 213 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1 Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]
- 214 No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded. [LAC 33:III.929.A]
- 215 Until a settlement is reached with EPA and LDEQ on related air quality issues, the permittee shall operate all emission sources in compliance with the interim or permitted emission limitations, monitoring and reporting requirements contained in Appendix A of the Administrative Order on Consent dated May 25, 2005 in lieu of the emission limitations and associated requirements contained in Preventive Significant Deterioration Permit No. PSD-LA-199. Upon completion of a settlement on the related issues with EPA and LDEQ, the permittee shall, within three (3) months after issuance of all of the Part 70 permits for the entire refinery, submit an application to revise and update PSD-LA-199 to incorporate the settlement requirements in their entirety. [40 CFR 52.21, LAC 33:III.509]
- 216 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 217 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 218 Do not install or reinstate on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 219 Benzene: Permittee shall comply with all the applicable requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(c)]
- 220 Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357]
- 221 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 222 Submit Notification of the intention to conduct a performance test: Due at least 30 days before the performance test is scheduled. Subpart CC. [40 CFR 63.642(d)(2)]

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- 223 Conduct performance tests according to the provisions of 40 CFR 63.7(e), except conduct performance tests at maximum or minimum representative operating capacity for the process. During the performance test, operate the control device at either maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction. Subpart CC. [40 CFR 63.642(d)(3)]
- 224 Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
- 225 Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]
- 226 Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)]
- 227 Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]
- 228 Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
- 229 Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
- 230 Retain a record of all reported performance test results required under 40 CFR 63.654(l) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(l)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]
- 231 Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]
- 232 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 233 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 234 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 235 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 236 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 237 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82. Subpart F]